

## AGROBACTERIUM

Intact Genomics (IG) is the largest and earliest provider of Agrobacterium competent cells in the market. We offer the highest quality Agrobacterium competent cells to customers and distributors worldwide. We developed the first high-efficiency Agrobacterium chemically competent cells for commercial sale in 2020. Today, we've amassed about 20 different species strains of *A. tumefaciens* and *A. rhizogenes*, providing the largest variety of high-quality *Agrobacterium* competent cells to meet your research needs. The most popular strains are listed below. Contact us for more information.



### Agrobacterium tumefaciens Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
GV3101	1082-06	6x50 µl	≥1.0 x 10 <sup>5</sup>
	1082-10	10x50 µl	
	1082-18	18x50 µl	
AGL1	1083-06	6x50 µl	
	1083-10	10x50 µl	
	1083-18	18x50 µl	
EHA105	1084-06	6x50 µl	
	1084-18	18x50 µl	
LBA4404	1085-06	6x50 µl	
	1085-18	18x50 µl	
C58C1	1086-06	6x50 µl	
	1086-18	18x50µl	
Combo	1091-12	4x3x50 µl	≥1.0 x 10 <sup>5</sup>

### Agrobacterium rhizogenes Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
Ar.A4	1072-06	6x50 µl	≥1.0 x 10 <sup>5</sup>
	1072-18	18x50 µl	
K599	1087-06	6x50 µl	
	1087-18	18x50 µl	
ATCC15834	1075-06	6x50 µl	
	1075-18	18x50 µl	
MSU440	1077-06	6x50 µl	
	1077-18	18x50 µl	

### Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
GV3101	1282-12	6x50 µl	≥1.0 x 10 <sup>7</sup>
	1282-36	18x50 µl	
GV3101 (pSoup)	1282PS-12	6x50µl	
GV3101 (pSoup-p19)	1282PS19-12	6x50µl	
AGL1	1283-12	6x50 µl	
	1283-36	18x50 µl	
EHA105	1284-12	6x50 µl	
	1284-36	18x50 µl	
LBA4404	1285-12	6x50 µl	
	1285-36	18x50 µl	
C58C1	1286-12	10x50µl	
Combo	1290-24	4x3x50 µl	

### Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
Ar.A4	1272-12	6x50 µl	≥1.0 x 10 <sup>5</sup>
	1272-36	18x50 µl	
K599	1287-12	6x50 µl	
	1287-36	18x50 µl	
ATCC15834	1275-12	6x50 µl	
	1275-36	18x50 µl	
MSU440	1277-12	6x50 µl	
	1277-36	18x50 µl	



# Auxotrophic Agrobacterium Competent Cells

Through collaborations with the University of Georgia and Iowa State University, Intact Genomics is the only provider of *Methionine* and *Thymidine Auxotrophic Agrobacteria* competent cells in the market.

After transformation, antibiotics are commonly used to remove Agrobacterium. However, even in the presence of antibiotics, there can be overgrowth of the Agrobacterium strain. Auxotrophic Agrobacteria help to solve this problem. Methionine or Thymidine Auxotrophic Agrobacterium strains include modifications so that they will not grow unless methionine or thymidine is added to Minimal medium. Using minimal media without Methionine/Thymidine in combination with selective antibiotics completely prevents the bacteria from overgrowing plant tissues during plant transformation.

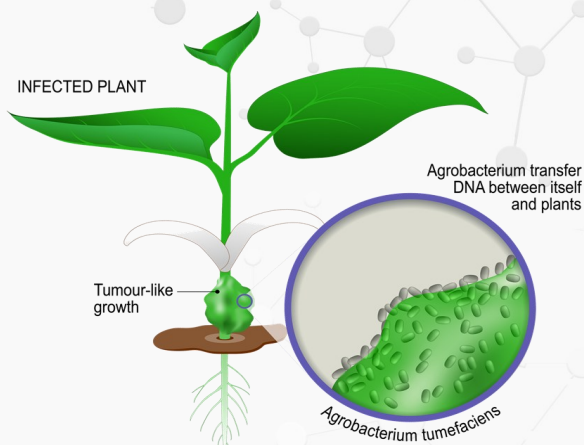
## Methionine Auxotrophic Agrobacterium Competent Cells

### Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
LBA4404 <sup>Met</sup>	1076-05	5x50 µl	≥1.0 x 10 <sup>5</sup>
	1076-15	15x50 µl	
EHA105 <sup>Met</sup>	1078-05	5x50 µl	
	1078-15	15x50 µl	

### Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
LBA4404 <sup>Met</sup>	1276-10	5x50 µl	≥1.0 x 10 <sup>7</sup>
	1276-30	15x50 µl	
EHA105 <sup>Met</sup>	1278-10	5x50 µl	
	1278-30	15x50 µl	



### Key benefits:

- Enables development of more efficient transformation systems
- Reduced bacterial overgrowth during co-cultivation
- Decreased need for antibiotics
- Knocking out genes to cause auxotrophy does not affect transformation capacity.

## Thymidine Auxotrophic Agrobacterium Competent Cells

### Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
EHA101 <sup>Thy</sup>	1302-05	5x50 µl	≥ 1 x 10 <sup>3</sup>
	1302-15	15x50 µl	
EHA105 <sup>Thy</sup>	1304-05	5x50 µl	
	1304-15	15x50 µl	
EHA105D <sup>Thy</sup>	1306-05	5x50 µl	
	1306-15	15x50 µl	

### Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
EHA101 <sup>Thy</sup>	1402-10	5x50 µl	≥ 1 x 10 <sup>3</sup>
	1402-30	15x50 µl	
EHA105 <sup>Thy</sup>	1404-10	5x50 µl	
	1404-30	15x50 µl	
EHA105D <sup>Thy</sup>	1406-10	5x50 µl	
	1406-30	15x50 µl	

\*Intact Genomics' Methionine Agrobacterium strains were originally provided by Dr. Wayne Parrott's lab under license from University of Georgia. Thymidine Agrobacterium strains were originally provided by Dr. Kan Wang's lab under license from Iowa State University.

